

METHOD FOR DRIVING AN IMAGING DEVICE AND IMAGE PICKUP DEVICE WHEREIN SIGNALS
CORRESPONDING TO SAME COLOR OUTPUTS ARE COMBINED

Inventor: IIZUKA, Tetsuya.

Docket No. 075834.00458

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FIG. 1

B41 B21 ⓑ	G42 G22 ⓐ	B43 B23 ⓑ	G44 G24 ⓐ	B45 B25 ⓑ	G46 G26 ⓐ	B47 B27 ⓑ	G48 G28 ⓐ
ⓐ G31 G11	ⓑ R32 R12	ⓐ G33 G13	ⓑ R34 R14	ⓐ G35 G15	ⓑ R36 R16	ⓐ G37 G17	ⓑ R38 R18

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FIG. 2

G51	R52	G53	R54	G55	R56	G57	R58
B41	G42	B43	G44	B45	G46	B47	G48
G31	R32	G33	R34	G35	R36	G37	R38
B21	G22	B23	G24	B25	G26	B27	G28
G11	R12	G13	R14	G15	R16	G17	R18

FIG. 3

B41 B21	B43 B23	G42 G22	G44 G24	B45 B25	B47 B27	G46 G26	G48 G28	
	(B)	(G)			(B)	(G)		
G31 G11	(G)	(R)	R32 R12	R34 R14	G35 G15	G37 G17	(R) R36 R16	R38 R18

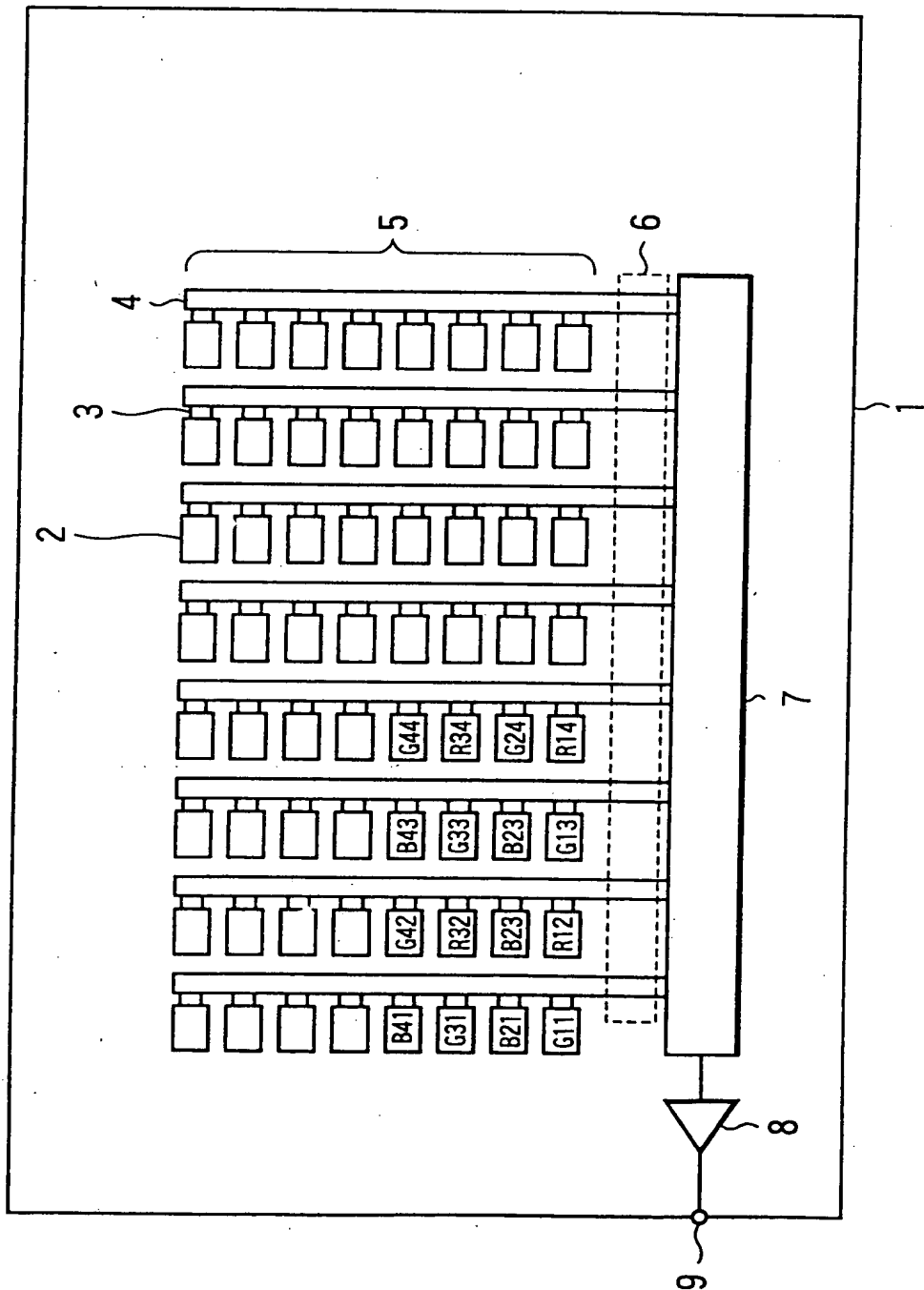
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FIG. 4



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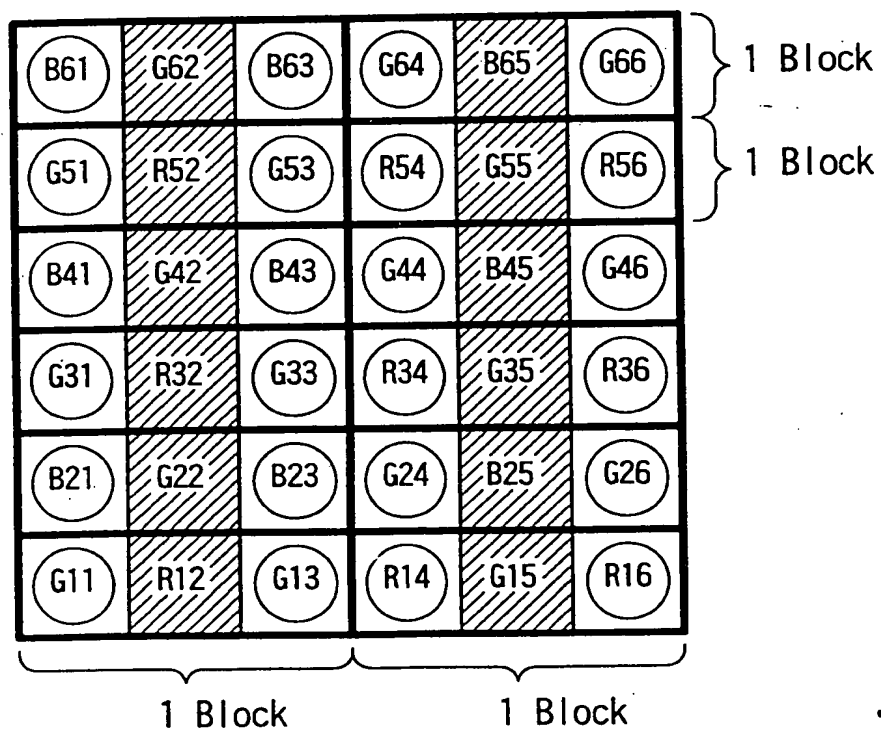
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FIG. 5

B	G	B	G	B	G
G	R	G	R	G	R
B	G	B	G	B	G
G	R	G	R	G	R
B	G	B	G	B	G
G	R	G	R	G	R

FIG. 6



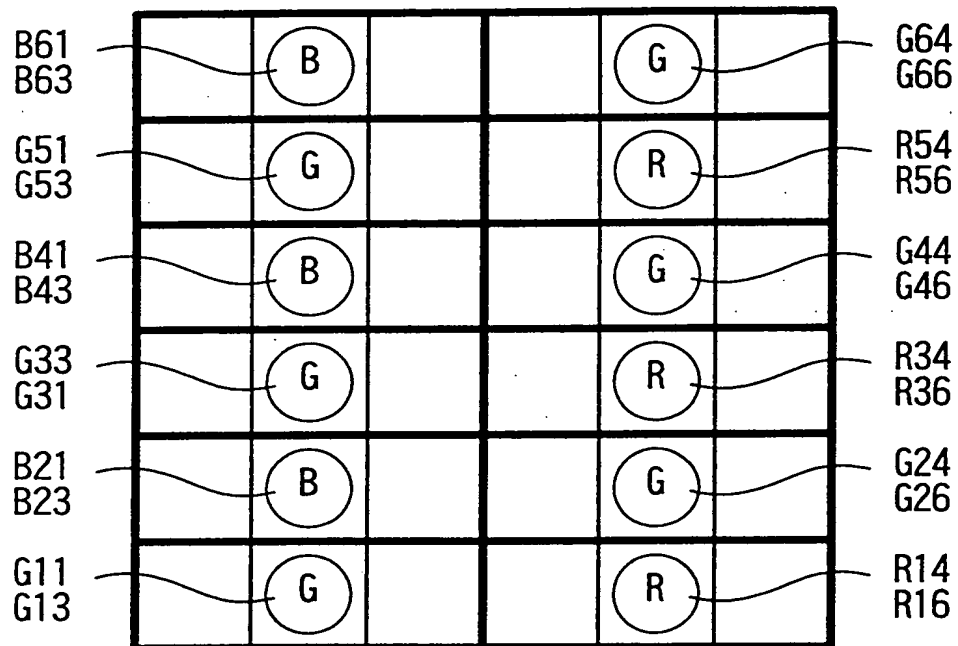
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FIG. 7

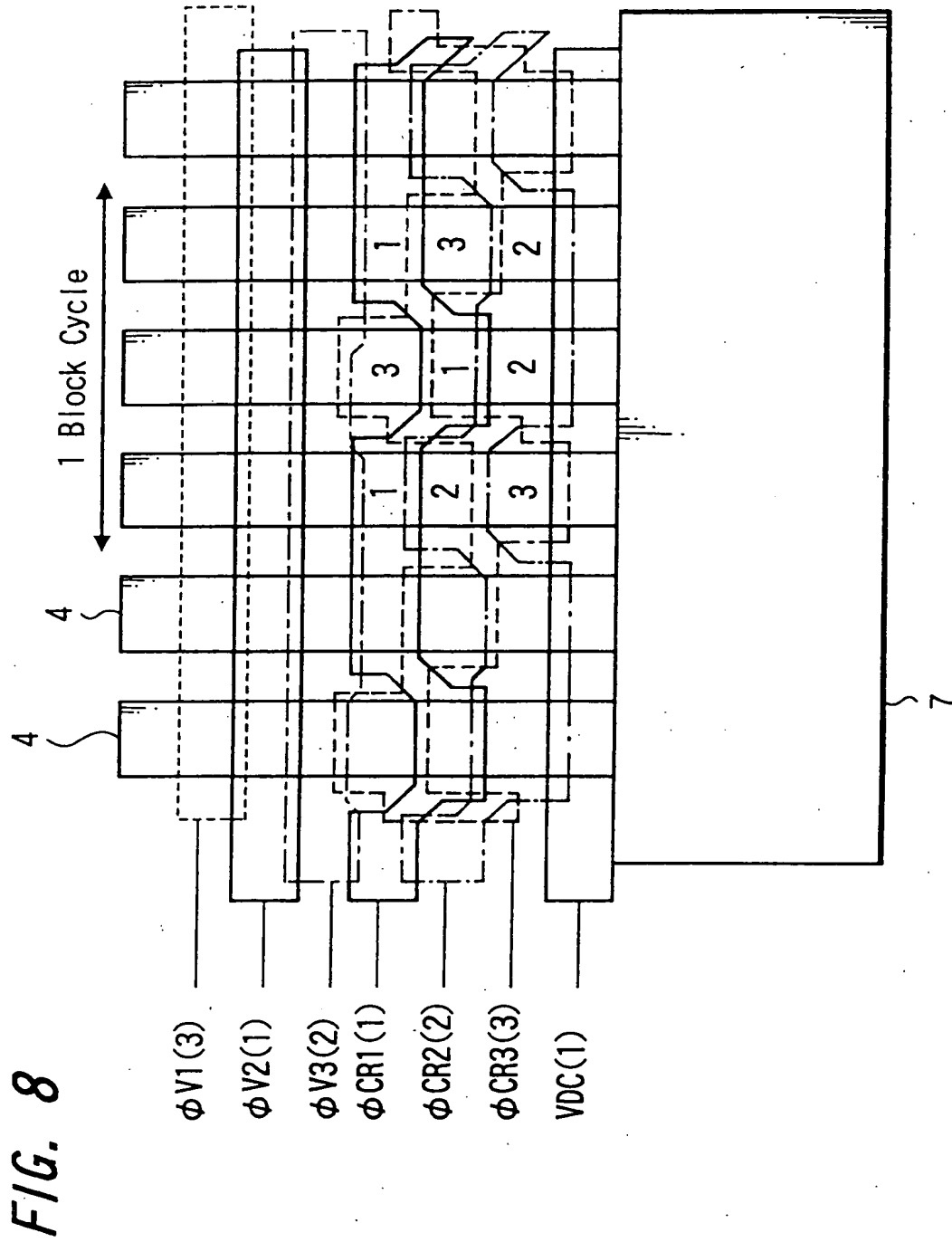


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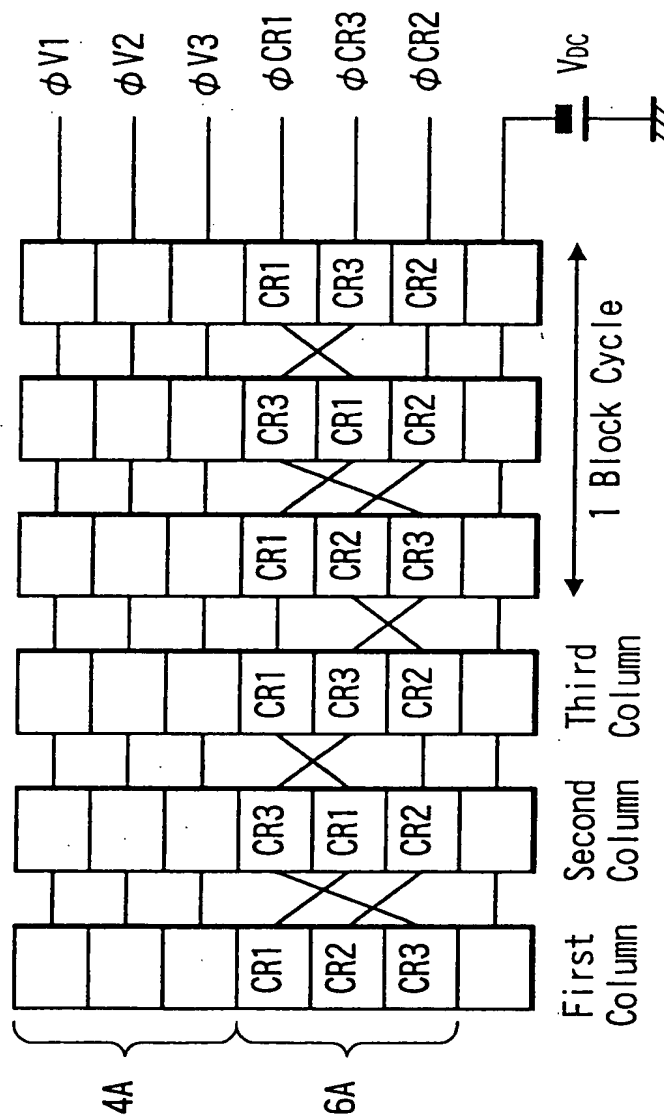
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FIG. 9



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FIG. 10

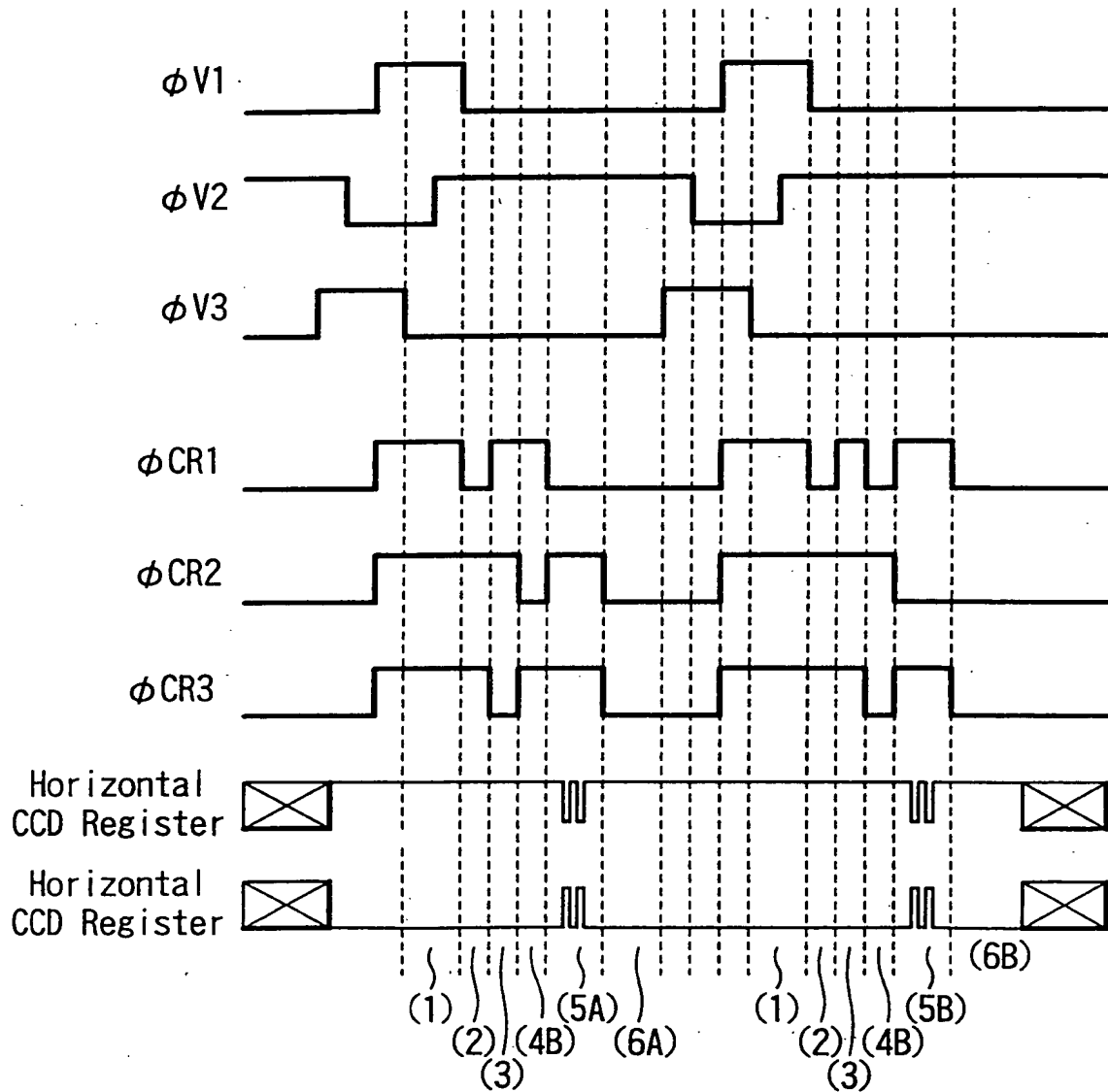


FIG. 11A

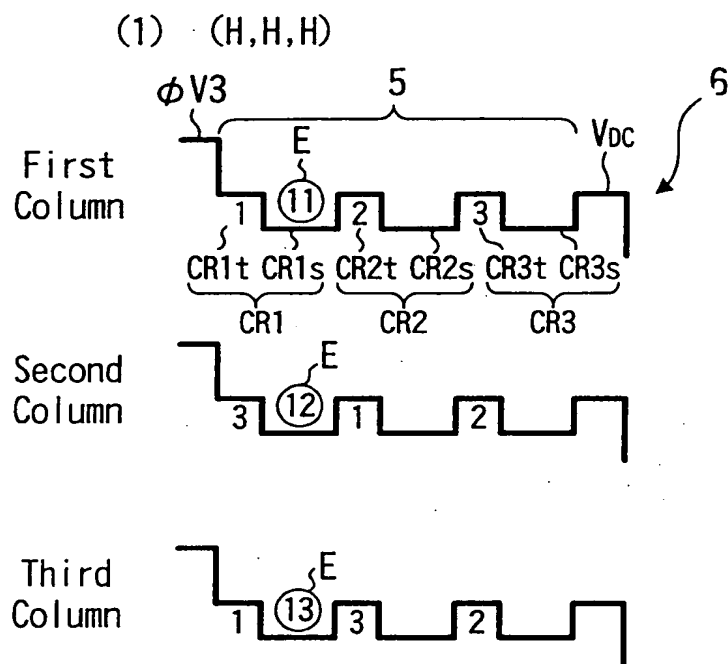


FIG. 11B

FIG. 11C

(2) (H,H,H) \rightarrow (L,H,H)

(3) (L,H,H) \rightarrow (H,H,L)

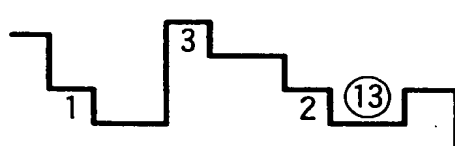
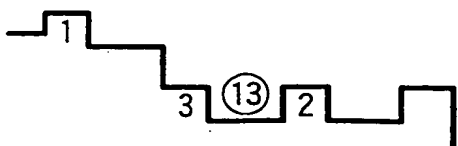
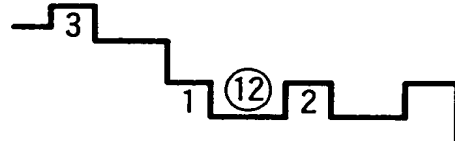
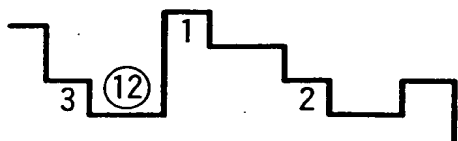
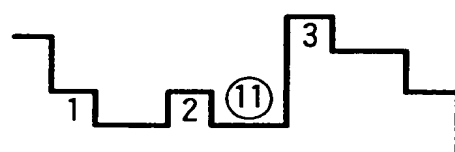
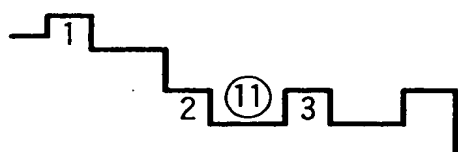


FIG. 12D

(4A) (H,H,L) → (H,L,H)

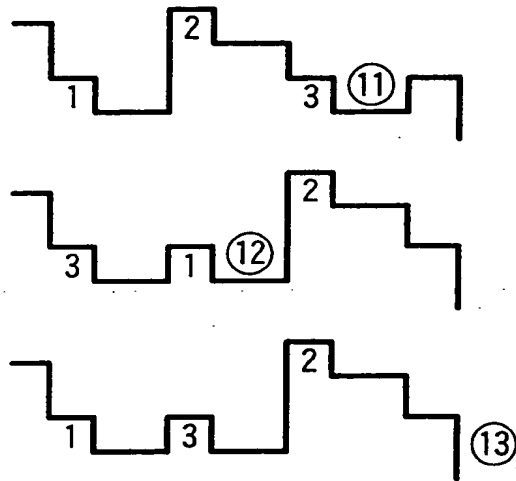


FIG. 12E

(5A) (H,L,H) → (L,H,H)

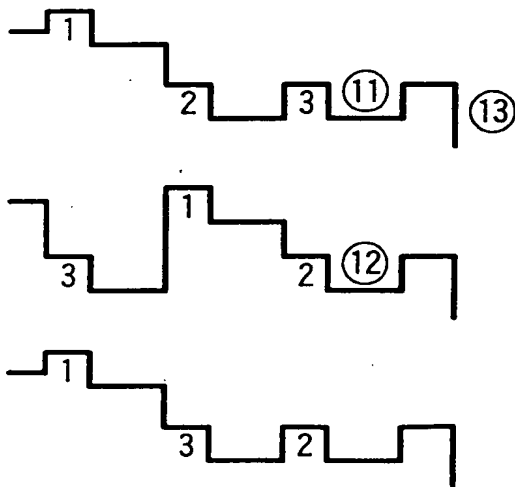


FIG. 12F

(6A) (L,H,H) → (L,L,L)

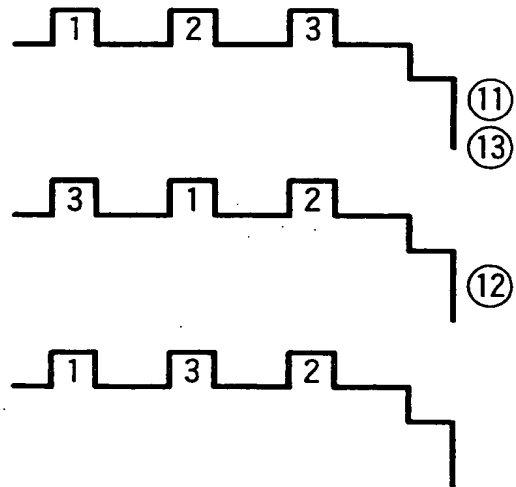


FIG. 13G

(4B) (H,H,L) → (L,H,H)

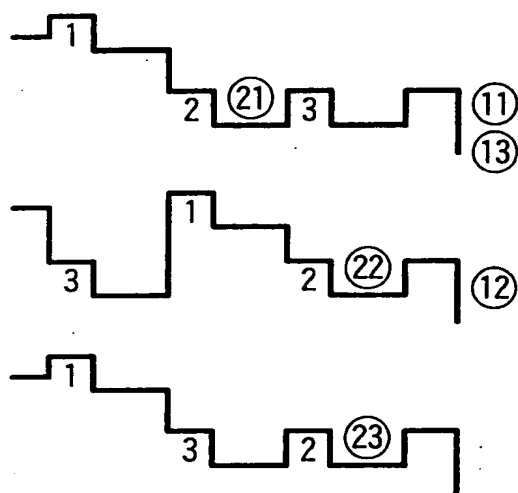


FIG. 13I

(5B-2) (H,L,H)

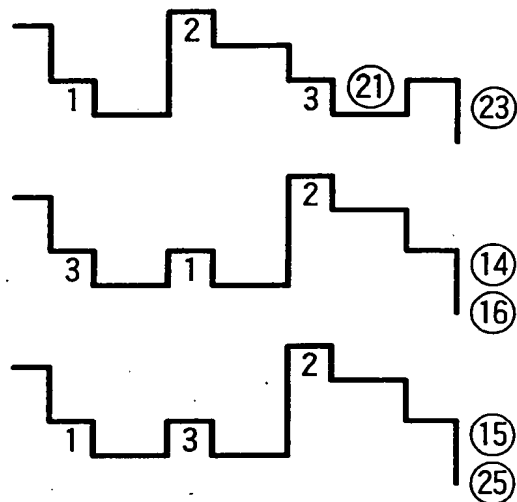


FIG. 13H

(5B-1) (L,H,H) → (H,L,H)

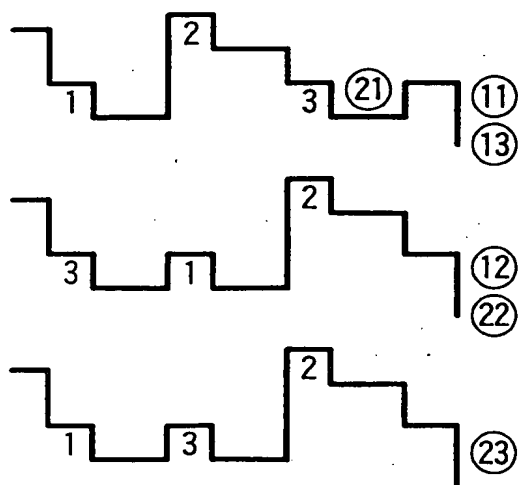
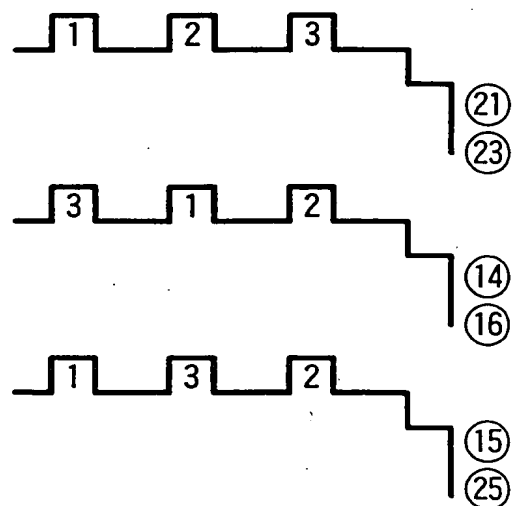


FIG. 13J

(6B) (H,L,H) → (L,L,L)



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FIG. 14A

T1 (1)

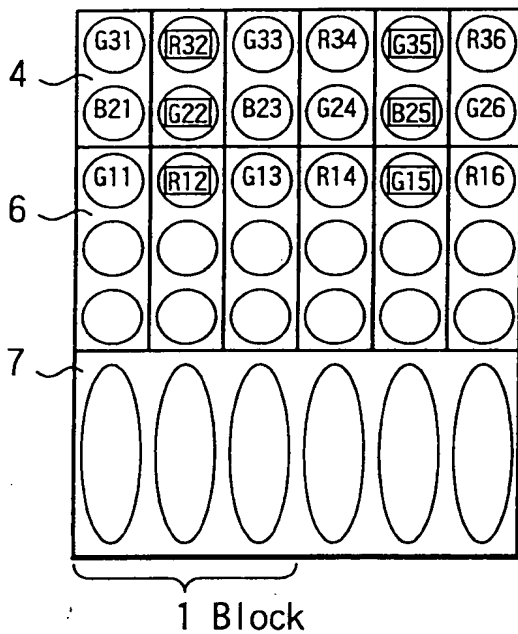


FIG. 14B

T2 (4A)

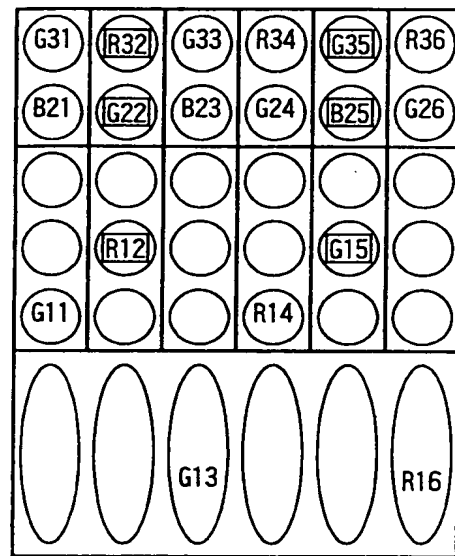


FIG. 14C

T3 (5A)

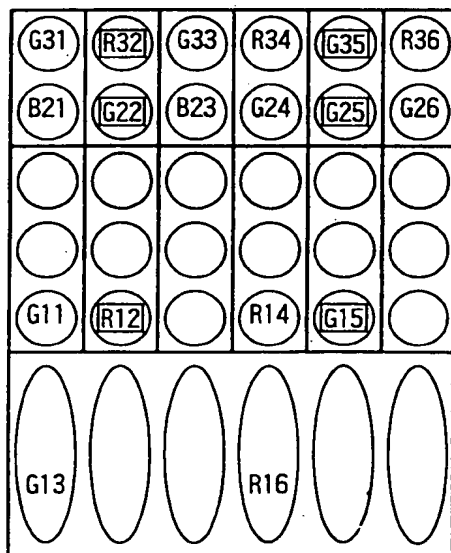
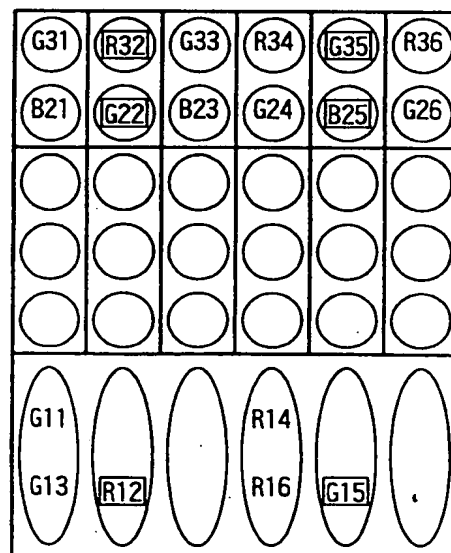


FIG. 14D

T4 (6A)



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FIG. 15E

T5 (1)

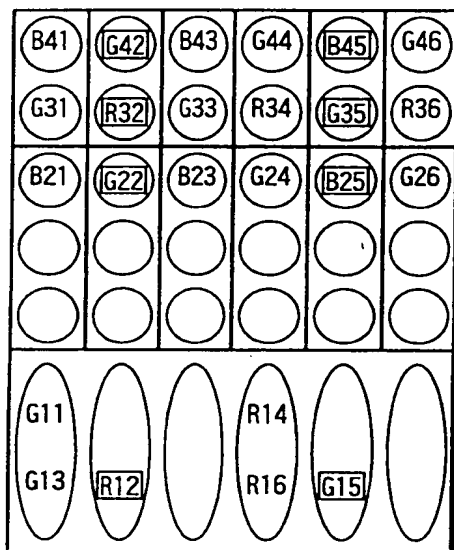


FIG. 15F

T6 (5B-1)

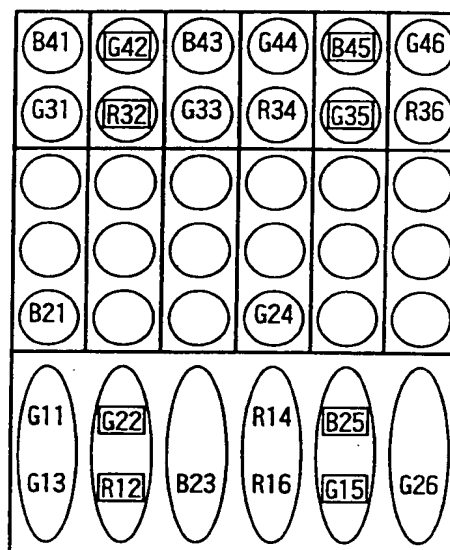


FIG. 15G

T7 (5B-2)

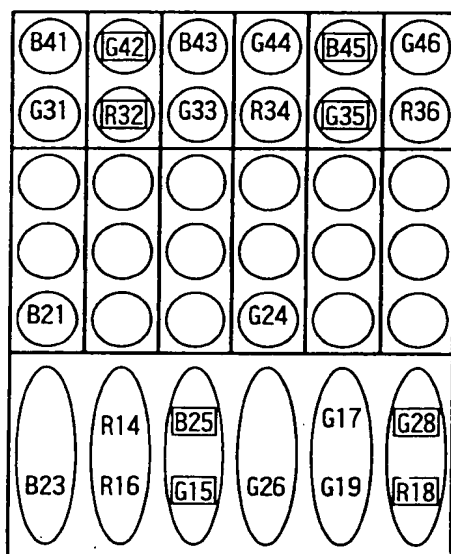


FIG. 15H

T8 (6B)

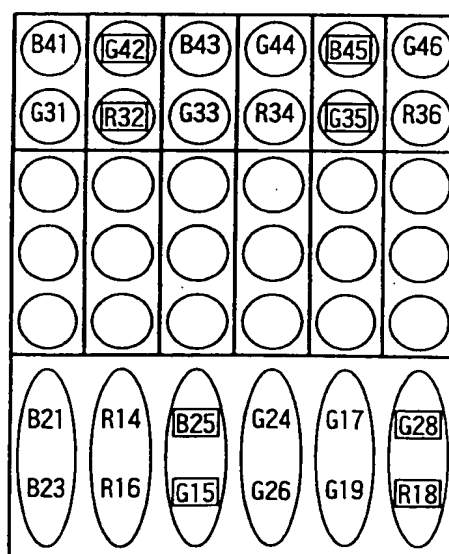


FIG. 16

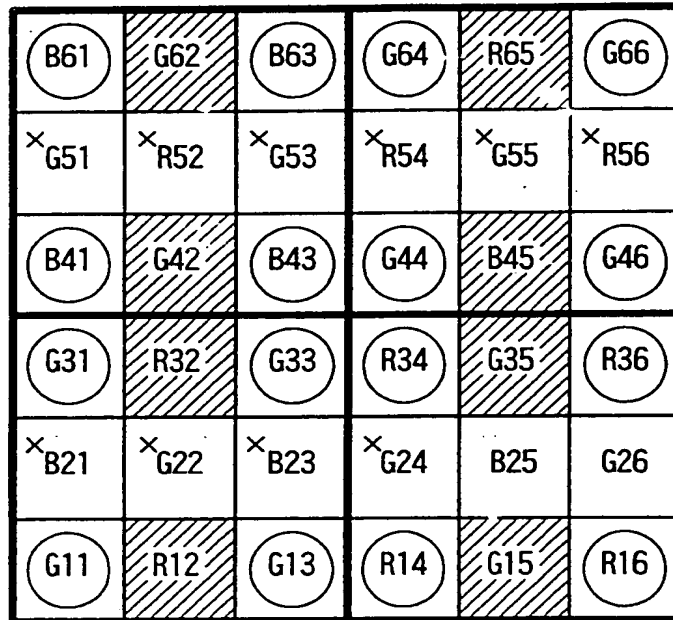


FIG. 17

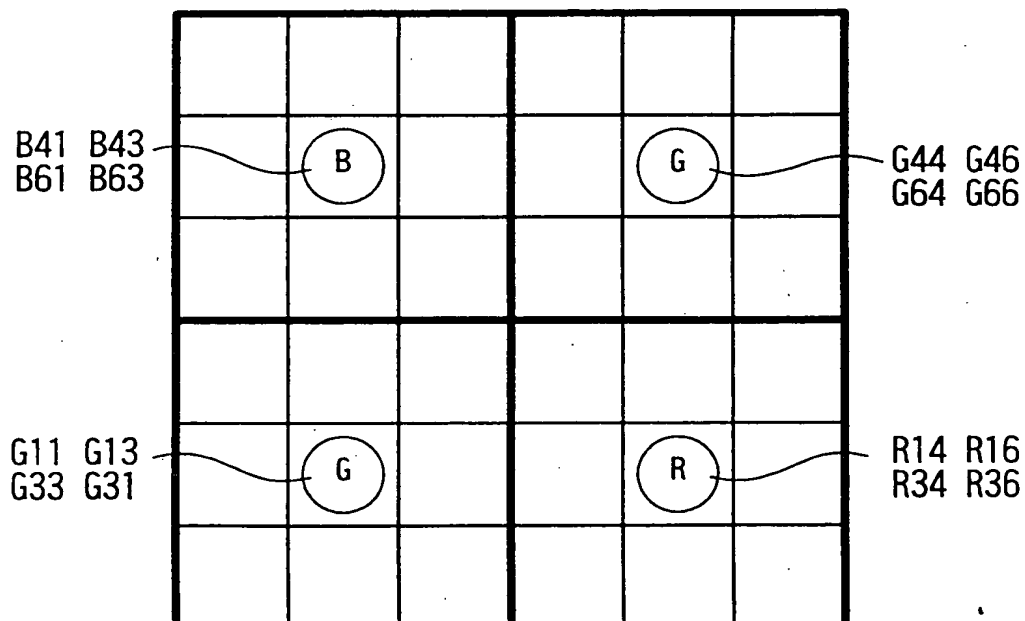
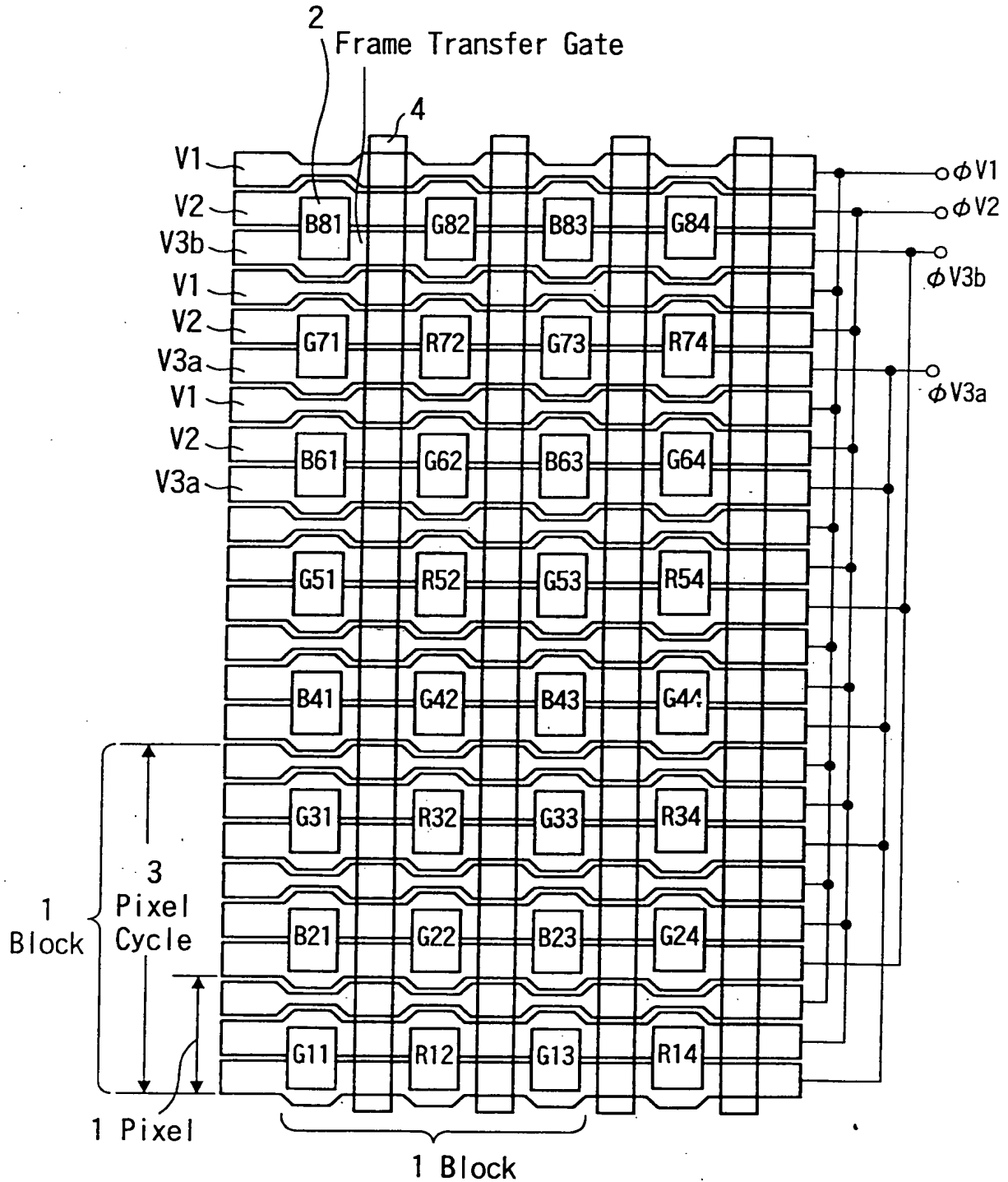


FIG. 18



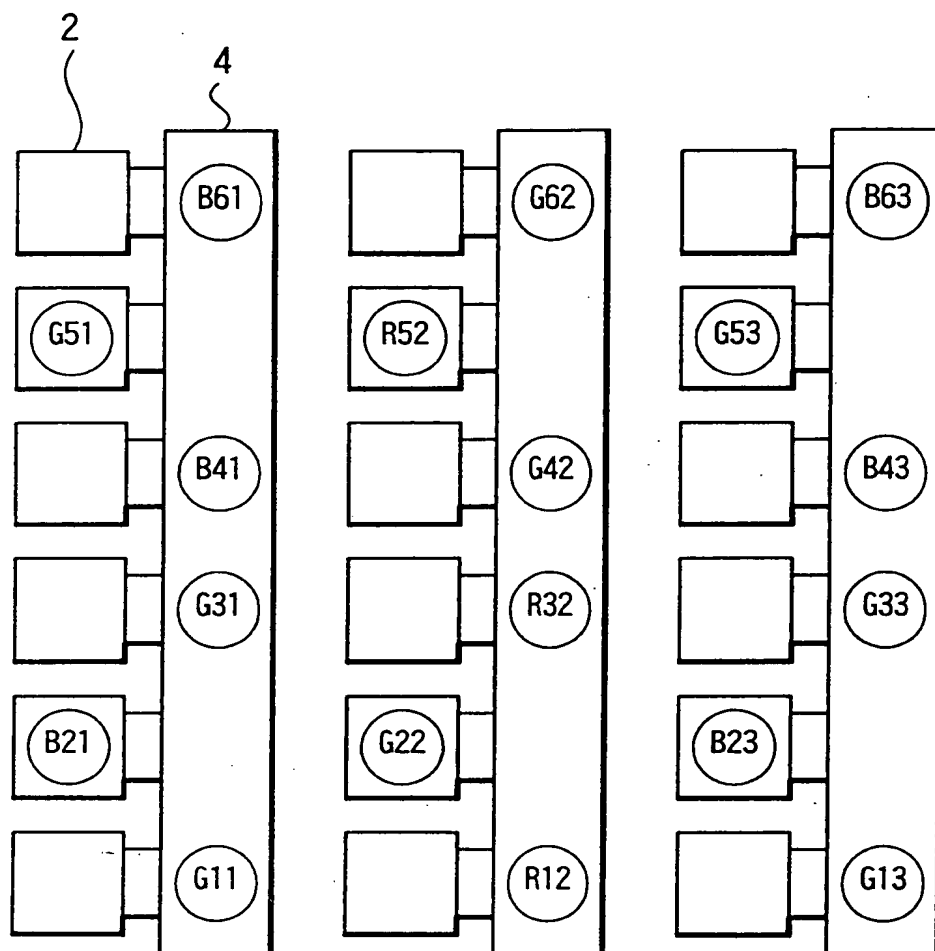
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FIG. 19



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FIG. 20A

	1 Block			1 Block		
4	B61 + B41	G62 + G42	B63 + B43	G64 + G44	B65 + B45	G66 + G46
	G31 + G11	R32 + R12	G33 + G13	R34 + R14	G35 + G15	R36 + R16
6						

FIG. 20B

B61 + B41	G62 + G42	B63 + B43	G64 + G44	B65 + B45	G66 + G46
G31 + G11	R32 + R12		R34 + R14	G35 + G15	
		G33 + G13			R36 + R16

FIG. 20C

B61 + B41	G62 + G42	B63 + B43	G64 + G44	B65 + B45	G66 + G46
G31 + G11 + G33 + G13	R32 + R12		R34 + R14 + R36 + R16	G35 + G15	

FIG. 20D

G91 + G71	R92 + R72	G93 + G73	R94 + R74	G95 + G75	R96 + R76
B61 + B41			G64 + G44		
G31 + G11 + G33 + G13	G62 + G42 + R32 + R12	B63 + B43	R34 + R14 + R36 + R16	B65 + B45 + G35 + G15	G66 + G46

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FIG. 21E

G91 + G71	R92 + R72	G93 + G73	R94 + R74	G95 + G75	G96 + G76
B61 + B41 + B63 + B43	R34 + R14 + R36 + R16	B65 + B45 + G35 + G15	G64 + G44 + G66 + G46	G37 + G17 + G39 + G19	G68 + G48 + R38 + R18

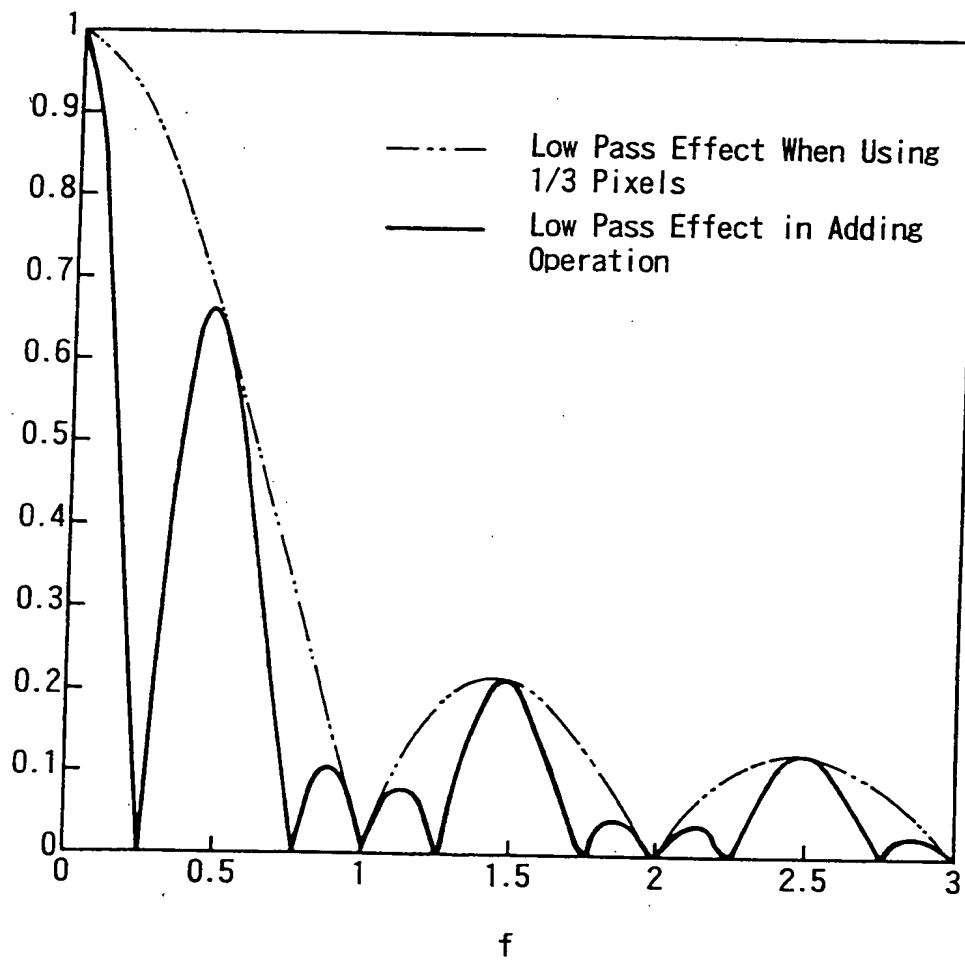
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FIG. 22



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FIG. 23

